

93385927

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

TRANS-
PORTER

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address Douglas Aircraft Company, Attn: Rob Tuell C6-59 19503 South Normandie Avenue, Torrance, CA 90502		C A D 0 8 6 5 1 0 0 0 5		8 5 9 2 7	
4. Generator's Phone ((310) 533- 7926 or (310) 533- 7231		6. US EPA ID Number		A. State Manifest Document Number 93385927	
5. Transporter 1 Company Name IT Corporation		7. Transporter 2 Company Name		B. State Generator's ID HA HQ 36005698	
9. Designated Facility Name and Site Address Appropriate Technologies, Inc. 1700 Maxwell Road Chula Vista, CA 91911		10. US EPA ID Number CA T 080010101		C. State Transporter's ID 433865	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) RQ, Waste oxidizing substances, solid, corrosive, n.o.s., 5.1, UN3085, PG III (D001)		12. Containers No. 002 Type DM		13. Total Quantity 00605	
b.				14. Unit P	
c.				I. Waste Number State 181 EPA/Other D001	
d.				State EPA/Other	
J. Additional Descriptions for Materials Listed Above 11a. 38420 Kolene.		K. Handling Codes for Wastes Listed Above a. b. c. d.			
15. Special Handling Instructions and Additional Information 24 Hour emergency telephone number (800) 424- 9300 (Chemtrec). DOT ERG# 11a) 42					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Robert G. Tuell, Jr.		Signature <i>Robert G. Tuell, Jr.</i>		Month Day Year 08 11 94	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name JUAN ARMENTA		Signature <i>Juan Armenta</i>		Month Day Year 08 11 94	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name		Signature		Month Day Year	

DO NOT WRITE BELOW THIS LINE.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address Douglas Aircraft Company, Attn: Rob Tuell C6-50 19503 South Normandie Avenue, Torrance, CA 90502		CADI086510005		A. State Manifest Document Number 93385927	
4. Generator's Phone ((310) 533-7926 or (310) 533-7231		6. US EPA ID Number		B. State Generator's ID HAHQ36005698	
5. Transporter 1 Company Name IT Corporation		CADI000057760		C. State Transporter's ID 433865	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (310) 830-1781	
9. Designated Facility Name and Site Address Appropriate Technologies, Inc. 1700 Maxwell Road Chula Vista, CA 91911		CAT080010101		E. State Transporter's ID	
10. US EPA ID Number		F. Transporter's Phone		G. State Facility's ID	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type		13. Total Quantity	
a. RQ, Waste oxidizing substances, solid, corrosive, n.o.s., 5:1, UN3085, PG III (D001)		002 DM		00605 P	
b.					
c.					
d.					
J. Additional Descriptions for Materials Listed Above 11a. 30420 Kelene.		K. Handling Codes for Wastes Listed Above a. b. c. d.		14. Unit Wt/Vol P	
15. Special Handling Instructions and Additional Information 24 Hour emergency telephone number (800) 424-9300 (Chemtreco). DOT ERG# 11a) 42					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Robert G. Tuell, Jr.		Signature <i>Robert G. Tuell, Jr.</i>		Month Day Year 08 11 94	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name JUAN ARMENTA		Signature <i>Juan Armenta</i>		Month Day Year 08 11 94	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Signature Month Day Year					

DO NOT WRITE BELOW THIS LINE.

APPROPRIATE TECHNOLOGIES, INC.

LAND DISPOSAL RESTRICTION NOTIFICATION

INSTRUCTIONS: Complete Part I. Check and complete Part II or Part III. Complete and sign Part IV. You need only return pages 1-3 unless instructed to also return Attachment I and/or II as indicated on page 1. Do not return Attachment 3.

PART I: Generator Profile and Manifest Information

- Generator Name: DOUGLAS AIRCRAFT COMPANY EPA ID #: CAD026510005
- Address: 19503 SOUTH NORMANIE AVE
- City: TORRANCE State: CA Zip: 90502
- Profile Number: _____ Manifest #: 85927-93385927
- EPA Waste Codes (list ALL codes for this stream and all relevant subcategories — see page 2 of this form):
D001

6. This stream is (check one) a _____ wastewater (<1% total organic carbon and <1% total suspended solids) ☒ nonwastewater.
Some exceptions exist to this definition, please consult your Greenfield Customer Service Representative for details.

PART II: Wastes Subject to Land Disposal Restrictions (If the waste is non-RCRA, non-hazardous or a "newly listed waste" identified in Part III below, complete Part III rather than Part II.)

☒ Pursuant to 40 CFR 268.7, I am notifying Appropriate Technologies, Inc. that under the above profile number and manifest number, I am shipping to you a waste identified by the EPA waste code(s) and subcategory(ies) listed in Part I above, which is subject to the EPA Land Disposal Restrictions, as checked below.

A. Check line 1, 2, 3 and / or 4 as applicable

- _____ 1. Treatment standards, as I have indicated in Attachment I, which I am enclosing for F001: _____ F002: _____ F003: _____ F004: _____ F005.
- _____ 2. Numerical treatment standard(s) specified in 40 CFR 268.41(a) (Table CCWE), per Attachment III.
- ☒ 3. Treatment standard(s) expressed as specified technology(ies) in 40 CFR 268.42(a), for which the required technology, per Attachment III, is INCIN: ☒ DEACT: _____ ADGAS fb NEUTR: _____ IMERC: _____ STABL: _____ RTHRM: _____ RMERC: _____ RLEAD: _____ NLDBR. NO F039
- _____ 4. Numerical treatment standard(s) specified in 40 CFR 268.43(a) (Table CCW), per Attachment III.

B. Also check one or more of the following lines as applicable.

- _____ 5. A D001-D011 waste which (a) _____ does (b) _____ does not meet the definition of a "California List" waste (see definition below). If (a), I have also checked the "California List" section of Attachment I, which I am enclosing.
- _____ 6. Treatment standard(s) with a "capacity variance" until _____ 199____, per Attachment III, as I have checked on the enclosed Attachment II. The waste (a) _____ does (b) _____ does not meet the definition of a "California List" waste (see definition below). If (a), I have also checked the "California List" section of Attachment I, which I am enclosing.
- _____ 7. A nickel, thallium, or HOC "California List" waste (see definition below). I have checked the "California List" section of Attachment I, which I am enclosing.
- _____ 8. A specific extension or variance (other than a "capacity variance"), as I have checked on Line E or F of Attachment II, which I am enclosing.
- _____ 9. The waste already meets all relevant treatment standards. I have signed the required certification page of Attachment II, which I am enclosing.

PART III: Wastes currently NOT subject to Land Disposal Restrictions

_____ Pursuant to 40 CFR 268.7, I am notifying Appropriate Technologies, Inc. that, under the above profile number and manifest number, I am shipping to you a waste which is non-RCRA, non-hazardous, or identified by the EPA waste code(s) listed in Part I above. The waste is not currently subject to EPA Land Disposal Restrictions because the waste is non-RCRA, non-hazardous, or consists only of one or more of the following EPA waste codes listed since November 8, 1984; D018-43, K064-66, K088, K090-91, K117-18, K123-26, K131-32, K136, U328, U353, U359.

PART IV: Authorized Representative

Signature: Robert G. Tuell, Jr. Date: 08-11-94

Print or Type Name: Robert G. Tuell, Jr.

Title: Senior Plant Engineer

NOTE: A "California List" waste is (a) a hazardous waste containing Halogenated Organic Compounds (HOC) at a concentration ≥ 1000 mg/kg or mg/l, or (b) a liquid hazardous waste (including free liquids) having a pH ≤ 2.0 and/or containing any of the following materials at a concentration \geq that specified: PCBs, 50 ppm; or (in mg/l) free cyanides, 1000; As, 500; Cd, 100; Cr, 500; Pb, 500; Hg, 20; Ni, 134; Se, 100; Tl, 130.

TREATMENT SUBCATEGORIES

EPA WASTE CODE	SUBCATEGORIES	COMMENT
D001	Ignitable liquids \geq 10% TOC Ignitable liquids $<$ 10% TOC Ignitable compressed gases Ignitable reactives Oxidizer	Per 261.21 (a)(1) Per 261.21 (a)(1) Per 261.21 (a)(3) Per 261.21 (a)(2) Per 261.21 (a)(4)
D002	Steel corrosives Alkaline Acid	SAE 1020 steel corrosion rate \geq 0.25 inch/year Per 262.22 (a)(1) Per 262.22 (a)(1)
D003	Explosives Water reactives Reactive sulfides Reactive cyanides Other reactives	Per 261.23 (a)(6), (7), (8) Per 261.23 (a)(2), (3), (4) Per 261.23 (a)(5) Per 261.23 (a)(1), (4) Per 261.23 (a)(1)
D006	Cadmium-containing batteries Other	
D008	Lead acid batteries Other	
D009	Low mercury High mercury High mercury, containing organics (not incinerator residues) High mercury, containing inorganics (including incinerator or RMERC residues)	$<$ 260 mg/kg Hg \geq 260 mg/kg Hg \geq 260 mg/kg Hg \geq 260 mg/kg Hg
F001-F005(WW)	Pharmaceutical Non-Pharmaceutical	
K006(NWW)	Anhydrous Hydrated	
K046	Reactive Non-Reactive	
F025	Light ends Spent filters / aids & dessicants	
K061(NWW)	Low Zinc High Zinc	$<$ 15% total zinc \geq 15% total zinc
K069(NWW)	Calcium sulfate Non-calcium sulfate	
K071	Low mercury High mercury	$<$ 16 mg/kg Hg \geq 16 mg/kg Hg
K106	Low mercury High mercury	$<$ 260 mg/kg Hg \geq 260 mg/kg Hg
P065	Low mercury — residues from RMERC Low mercury — residues from incineration Mercury fulminate, High mercury — incinerator or RMERC residues Mercury fulminate, nonwastewaters — not incinerator or RMERC residues	Original P065 $<$ 260 mg/kg Hg Original P065 $<$ 260 mg/kg Hg \geq 260 mg/kg Hg
P092	Low mercury — residues from RMERC Low mercury — residues from incineration Phenyl mercury acetate, high mercury incinerator or RMERC residues Phenyl mercury acetate, nonwastewaters not incinerator or RMERC residues	Original P092 $<$ 260 mg/kg Hg Original P092 $<$ 260 mg/kg Hg \geq 260 mg/kg
U151	High Mercury Low mercury — residues from RMERC Low mercury — residues from incineration	\geq 260 mg/kg Hg Original U151 $<$ 260 mg/kg Hg $<$ 260 mg/kg Hg

NOTE: TOC = total organic carbon: RMERC = mercury retorting: WW = wastewater: NWW = non-wastewater

APPROPRIATE TECHNOLOGIES, INC.
CALIFORNIA LAND DISPOSAL RESTRICTION NOTIFICATION

PART I: Generator Information.

GENERATOR NAME Douglas Aircraft Company
CAD 036 510 ⁰⁰⁵ ~~005~~ ⁰⁸⁻¹¹⁻⁹⁴ 93385427
EPA ID # _____ MANIFEST # _____ PROFILE # _____

The waste(s) identified on the above referenced manifest and bearing the California waste number(s) identified below is subject to the Land Disposal Restrictions of CCR, Title 22, Chapter 30.

PART II: Waste Identification.

California waste number(s) 181

Check the appropriate lines. (More than one line may apply.)

- ☒ 1. RCRA regulated waste
- ____ 2. Non-RCRA metal-containing aqueous waste identified on CCR, Title 22, 67702(b) (1).
- ____ 3. PCB wastes identified in CCR, Title 22, 67702(b) (2). (Not acceptable at APTEC)
- ____ 4. Non-RCRA metal-containing solid waste identified in CCR, Title 22, 67702(b) (7).
Prohibition effective date May 8, 1992.
- ____ 5. Non-RCRA aqueous and liquid waste containing any organic compound identified by EPA Test Methods 8080, 8140, 8150, 8240, and/or 8270. Prohibition effective date May 8, 1992.
(Reference CCR, Title 22, 67702 (b)(10).)
- ____ 6. Non-RCRA solid waste containing any organic compound identified by EPA Test Methods 8080, 8140, 8150, 8240, and/or 8270. Prohibition effective date May 8, 1992. (Reference CCR, Title 22, 67702 (b)(11).)
- ____ 7. Other Non-RCRA, California regulated waste, category includes lab packs, California extremely small quantity generators, and household hazardous waste exempted in the Health and Safety Code Section 25179.9.

PART III: Handling Method.

Check the appropriate lines. (More than one line may apply.)

- ☒ 1. The RCRA waste identified above must be handled in accordance with the attached EPA LAND DISPOSAL RESTRICTION NOTIFICATION.
- ____ 2. The waste identified above must be treated to meet the applicable standards in CCR, Title 22, Division 4, Chapter 30, Article 41.
- ____ 3. The waste identified above meets the applicable treatment standard.
"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in CCR Title 22, Division 4, Chapter 30, Article 41. I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."
- ____ 4. The waste identified above is subject to a variance. The expiration date of the variance is indicated in the WASTE IDENTIFICATION section above.
- ____ 5. The Non-RCRA waste identified above is not currently restricted from land disposal.

PART IV: Generator Certification.

I hereby certify that all information supplied above and on all associated documents is true, complete and accurate to the best of my knowledge and that no omissions or errors exist.

Signature Robert G. Tuell, Jr. Date: 08-11-94
Print or Type Name: Robert G. Tuell, Jr.
Title: Senior Plant Engineer

ATTACHMENT I

ADDITIONAL NOTIFICATION FOR F001-F005, AND CALIFORNIA LIST WASTES

For Part II, Line 1 of the LDR Notification (F001-F005)

This waste must be treated to meet the following treatment standards (check the appropriate line):

_____ F001 _____ F002 _____ F003 _____ F004 _____ F005

WASTE CODE	REGULATED HAZARDOUS CONSTITUENT	WASTEWATERS CONCENTRATION (mg/l)	NONWASTEWATERS CONCENTRATION (mg/l)
------------	---------------------------------------	--	---

TABLE CCWE

F001-F005 spent solvents	Acetone	0.05	0.59
	n-Butyl alcohol	5.0	5.0
	Carbon disulfide	1.05	4.81
	Carbon tetrachloride	0.05	0.96
	Chlorobenzene	0.15	0.05
	Cresols (and cresylic acid)	2.82	0.75
	Cyclohexanone	0.125	0.75
	1,2 — Dichlorobenzene	0.65	0.125
	Ethyl acetate	0.05	0.75
	Ethyl benzene	0.05	0.053
	Ethyl ether	0.05	0.75
	Isobutanol	5.0	5.0
	Methanol	0.25	0.75
	Methylene chloride	0.2	0.96
	Methyl ethyl ketone	0.05	0.76
	Methyl isobutyl ketone	0.05	0.33
	Nitrobenzene	0.66	0.125
	Pyridine	1.12	0.33
	Tetrachloroethylene	0.079	0.05
	Toluene	1.12	0.33
	1,1,1, — Trichloroethane	1.05	0.41
	1,1,2, — Trichloro-		
	1,2,2, — Trifluoroethane	1.05	0.96
	Trichloroethylene	0.062	0.091
	Trichlorofluoromethane	0.05	0.96
	Xylene	0.05	0.15

TABLE CCW

F001-F005 spent solvents	1,1,2, Trichloroethane	0.030	7.80
	Benzene	0.070	3.70
F001-F005 spent solvents (Pharmaceutical Industry Wastewater Subcategory)	Methylene chloride	0.44	NA

REQUIRED METHOD

F005	2-Nitropropane	INCIN	INCIN
F005	2-Ethoxyethanol	INCIN	INCIN

For Part II, Line 5, 6, or 7 of the LDR Notification (California List)

This waste must be treated as indicated below if it is (a) a D001, D002, D003, D004, D005, D006, D007, D008, D009, D010, D011, or subject to a "capacity variance" — and meets the definition of a "California List" waste; or (b) a liquid hazardous waste ≥ 50 ppm PCBs, or ≥ 134 mg/l Ni, or ≥ 130 mg/l Tl. Check the appropriate line below:

- _____ HOC ≥ 1000 ppm; incinerate
- _____ liquid, PCB ≥ 50 ppm; incinerate (Not acceptable at APTEC)
- _____ liquid, pH ≤ 2 : Neutralize
- _____ liquid, free cyanides ≥ 1000 ppm: *
- _____ liquid, As ≥ 500 mg/l: *
- _____ liquid, Cd ≥ 100 mg/l: *
- _____ liquid, Cr ≥ 500 mg/l: *
- _____ liquid, Pb ≥ 500 mg/l: *
- _____ liquid, Hg ≥ 20 mg/l: *
- _____ liquid, Ni ≥ 134 mg/l: *
- _____ liquid, Se ≥ 100 mg/l: *
- _____ liquid, Tl ≥ 130 mg/l: *

* Treat to below California List concentration, or to non-liquid form.

ATTACHMENT II
EXTENSIONS, VARIANCES, EXCEPTIONS

For Part II, Line B-6 of the Notification Form This waste is (check one):

- _____ A. Soil or debris contaminated with waste specified in 268.34 for which the treatment standard is based on incineration per Attachment III variance valid until June 8, 1991.
- _____ B. Soil or debris contaminated with wastes specified in 268.35 for which the treatment standard is based on incineration, mercury retorting, vitrification or wet-air oxidation, per Attachment III (variance valid until May 8, 1992).
- _____ C. A waste specified in 268.35 (a) — per Attachment III _____ NWW _____ WW
- _____ D. A waste specified in 268.35 (c) — per Attachment III — (variance valid until May 8, 1992) _____ NWW _____ WW.
- NOTE: NWW = Nonwastewater and WW = Wastewater.

For Part II, Line B-8 of the Notification Form. This waste is:

- _____ E. Subject to a case-by-case extension, pursuant to 40 CFR 268.5, granted by _____ on _____
(attach copy)
- _____ F. Subject to a treatability variance, pursuant to 40 CFR 268.44, granted by _____ on _____
(attach copy)

For generators or treaters who have checked Part II, Line B-9 of the Notification Form:

Instructions: Check Line 1, 2, or 3 below. If checking Line 1 or 2 below, attach supporting analytical results. If checking Line 2, and if appropriate, also check Line 4. Sign and date below.

1. **For generators** who have determined that their waste meets treatment standards (268.7(a)(2)(ii):

_____ I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

2. **For treatment facilities** which have treated the waste so that it meets the required numerical treatment standards (268.7(b)(5)(i):

_____ I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

If the certification in Line 2 above is based in whole or part on the "analytical detection limit alternative" (268.3(c)), check the following certification.

_____ I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater (NWW) organic constituents have been treated by incineration in units operated in accordance with 40 CFR Part 264 Subpart O or Part 265 Subpart O, or by combustion in fuel substitution units operating in accordance with applicable technical requirements, and I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

3. **For treatment facilities** which have treated the waste with the required treatment technology specified in 268.42 (certification per 268.7(b)(5)(ii):

_____ I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

AUTHORIZED REPRESENTATIVE

Signature Robert G. Tuell, Jr. Date 08-11-94

Print or Type Name Robert G. Tuell, Jr.

Title: Senior Plant Engineer